

Matthew L. McCullough

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INTRODUCTION

I am a very self motivated individual with experience managing a city wide GIS & IT program. I have excellent communication skills and experience speaking at professional conferences and events. I consider education a top priority and have multiple degrees in geography, GIS, and Natural Resource Management. I own a business building interactive online mapping applications and responsive websites. I also enjoy landscape, wildlife and astro photography.

GIS/IT skills include:

- ESRI ArcGIS Desktop 9.0-10.3.1
- ArcSDE and SQL
- Spatial Analyst & Network Analyst Extensions
- DEM, LiDAR topography
- Aerial photography
- Google Maps & Google Earth
- Trimble GPS with ArcPad
- Anti-Virus and Malware Protection
- Active Directory and Windows Server 2003-2012
- Network Administration
- Technical Support & Troubleshooting
- Microsoft Office 2003-2013
- Apple Hardware and Software Support
- Social Media

EXPERIENCE

WEBER STATE UNIVERSITY, Ogden, UT
Adjunct Instructor

1/2012 – Present

I was hired as an Adjunct Instructor in the Geography Department at Weber State University to teach multiple courses in geography and cartography. These courses involved both a lecture and a lab dealing with such topics as map design, map reading and analysis, map projections, coordinate systems, land partitioning, surface analysis, distance and direction finding, navigation, and aerial photo interpretation.

GEOG. 1002 – Map Reading and Land Navigation (Summer)

GEOG. 3450 – Introduction to Cartography (Fall)

GEOG. 3460 – Advanced Cartography/GIS (Spring)

INFOBYTES, INC., Salt Lake City, UT
VP of Operations / GIS Mapping Director

9/2015 – Present

In September of 2015 I sold my GIS mapping business Carte Design, LLC to Infobytes, Inc. and joined the company full time as the VP of Operations and GIS Mapping Director. My duties included managing and directing all GIS mapping services provided by Infobytes to clients in multiple states. I was responsible for building GIS databases, digitizing new layers, creating maps, building online mapping applications and integrating these tools into client websites. I was also responsible for company operations including writing a new employee handbook, insurance, finances, business structure, marketing and client support.

FARMINGTON CITY, Farmington, UT

7/2007 – 8/2015

GIS Administrator / IT Specialist

As the GIS Administrator & IT Specialist for the City of Farmington I was directly responsible for the GIS data and IT systems in all departments. My main responsibilities included maintaining the GIS data in an SDE database, managing and updating the City website and attending to IT related issues. I was directly responsible for training city staff on GIS software, website development, and data acquisition and management. I also maintained multiple Windows servers, backup policies, email accounts, networks, personal computers, mobile phones, and technical support tickets. I served as the City Communications Committee Chair and managed all the social media accounts and City website.

Key projects:

- Farmington City Online Mapping Application built on the Google Maps JavaScript API
- Urban and Community Forestry Tree inventory of City trees
- Tree City USA Award and Growth Award
- Davis County Contingency Map: Fire and EMS Response
- GPS and digital modeling of culinary water, storm drain and sewer systems
- Land use, zoning and parcel data management
- Trails brochures, kiosk maps, and 3D Google Earth tour of city trails
- Utility Map Books for Public Works/Water Department
- Fire and EMS Map Books

IGES, LLC, Bluffdale, UT
Geologist/GIS Analyst

7/2006 – 7/2007

While employed as a geologist at Intermountain Geo and Environmental Services, LLC I was responsible for implementing and managing a GIS program to support staff geologist and engineers. Other duties included assisting in field work of drilling and trenching to locate geologic fault lines, landslides, and other geologic hazards. Often I was given the responsibility to research and write geologic hazards reports for specific site investigations located throughout the State of Utah.

Key projects:

- Developed GIS database/map of project sites throughout the State of Utah.
- Wrote technical/scientific geologic hazard reports for site specific investigations.
- Suncrest Development – Geologic hazards assessment of existing landslides and faults.

THE CAPITAL GROUP, Draper, UT
Financial Planner

09/2005 – 7/2006

My experience at The Capital Group was a very valuable lesson in the field of financial planning and insurance. While there I became licensed to sell life, health and disability insurance in the State of Utah and was trained in the design of financial and estate planning processes.

VEHIX, INC., Salt Lake City, UT

3/2002 – 9/2005

Inventory Specialist

As an Inventory Specialist at Vehix.com I became an affluent user of Microsoft Excel as I assisted in managing a very large database of vehicles for sale on our website. I was given many opportunities for leadership and assisted in managing a new e-communications program for over 100 dealerships throughout the country.

EDUCATION & TRAINING

Utah State University Master of Natural Resources (MNR) Member of the Golden Key International Honour Society	08/2011
PENN STATE UNIVERSITY Masters Certificate in GIS	12/2008
UNIVERSITY OF UTAH, Salt Lake City, UT Bachelor of Science, Geography	12/2005
SALT LAKE COMMUNITY COLLEGE, Salt Lake City, UT Associates of Science, General Studies	12/2003

Additional training/certificates: (24hrs. of classroom instruction each)

- ESRI Introduction to ArcGIS II
- ESRI Data management in the multi-user geodatabase: SDE
- ESRI Building Geodatabases
- I-Tree Workshop (2 day workshop on i-Tree software)

Presentations at professional conferences:

- Utah Geographic Information Council (UGIC) - 2012, Introduction to Google Maps JavaScript API
- Utah Geographic Information Council (UGIC) - 2007, Successful Integrations of GIS and Google Earth and Google Maps API. Cedar City, UT.
- Salt Lake Users Group (SLUG) - 2010, GIS and Google Maps Web Applications. Salt Lake City, UT.
- Davis Users Group (DUG) - 2010, Urban and Community Forestry Tree Inventory. Farmington, UT.
- Utah Geographic Information Council (UGIC) - 2011, Urban and Community Forestry Tree Inventory. Logan, UT.
- Utah League of Cities and Towns - 2011, Utilizing the Google Maps JavaScript API to Display GIS Data on the Web. Salt Lake City, UT.
- Utah Geographic Information Council (UGIC) - 2015, Introduction to CartoDB for Online Mapping. Snowbird, UT.

Foreign Languages:

- French (speak, read & write) - Proficient

REFERENCES

Loretta Gale Infobytes, Inc. , President and Owner	801-550-5609
David E. Petersen Farmington City , Community Development Director	801-939-9211
Keith Johnson Farmington City , Assistant City Manager	801-939-9204
Kasey Hansen Gateway Mapping , GIS Services Director	801-510-2057

PERSONAL

I grew up in Salt Lake City, UT and went to East High School. I served a mission for The Church of Jesus Christ of Latter Day Saints from 1999-2001 in Toulouse, France. I now live in Layton Utah with my wife and our four children. I have many interests and hobbies including photography, astronomy, geology, hiking, camping and playing the piano. I have always been very self motivated, independent, and easy to get along with. I enjoy being creative and learning new and challenging things that stretch my ability and skills.